

PUBLIC NOTICE
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY (LDEQ)
BURLINGTON RESOURCES OIL & GAS COMPANY, LP
GARDEN CITY LACT FACILITY
PROPOSED MODIFICATION OF A MINOR SOURCE AIR OPERATING PERMIT

The LDEQ, Office of Environmental Services, is accepting written comments on a proposed modification of a minor source air operating permit for Burlington Resources Oil & Gas Company, LP, PO Box 2197, Houston, TX 77252 for the Garden City LACT Facility. The facility is located on Hwy 317, 3 Miles SW of Centerville, St. Mary Parish.

Burlington Resources Oil & Gas Company, LP is an existing Oil and Gas Facility. The facility currently operates under Permit No. 2660-00151-03, issued April 17, 2007.

Burlington Resources Oil & Gas Co., LP requested modifications to its permit. This permit identifies operations from a typical oil and gas production facility used to treat and handle production from various nearby well completions. Production from the wells is routed to the free water knockout vessel. Gas from this vessel is captured by the gas compressor system prior to being routed off site to the Garden City - Central Dehydration Station (permitted separately). Water from the free water knockout vessel is routed to a gun barrel tank for gravity separation and then routed to on-site tanks for storage before being pumped (via natural-gas fired SWD pumps) to an injection well for disposal. Oil from the free water knockout vessel is routed to one of the two heater treaters for further separation. Oil and any water from the heater treaters are routed to on-site tanks for storage until pumped off-site (via electric powered charge pump). Three (3) catalytic heaters and several gas operated pumps and insignificant storage tanks are also located at this facility.

This permitting action includes the following modifications:

- 1.) The addition of EPN: 9-07-HT-BS (heater treater) EPNs: 10-07-CH-BS through 12-07-CH-BS (catalytic heaters), EPNs: 13a-07-WST-CV & 13b-WST-CV (water storage tanks), EPN: 13c-07WST-CV (water suction tank), EPN: 14-07-VS (vent scrubber), EPNs: 15-07-GOP through 20-07-GOP (gas operated pumps), EPN: 21-07-BV (blowcase vessel), EPN: 22-07-PC (pneumatic controllers), EPN: 23-07-HT-WG (heater treater-waste gas) and EPNs: 24-07-CST through 29-07-LOT (insignificant storage tanks) to the emission point source list.
- 2.) The addition of EPN: CAP1 which represents the combined emission totals from EPNs: 02-15 & 02-16 (SWD pump engines). The operation of these sources is alternated and the combined runtime will not exceed 9,500 hrs/yr.
- 3.) The revision of emission limits for the facility's remaining emission point sources based on updated throughput rates, emission factors and current facility conditions.

In accordance with an LDEQ policy statement published 6/15/06 on the referenced subject, be aware that the following sites are contiguous to the facility and under Burlington Resources Oil & Gas Company LP's control.

- Garden City Field – Maryland No. 9 Facility AI 32929
- Maryland No.11 Facility; Garden City Field AI 154220

Estimated emissions from this facility in tons per year are as follows:

Pollutant	Emissions
PM ₁₀	0.68
SO ₂	0.05
NO _x	87.47
CO	92.71
VOC	72.43

A technical review of the working draft of the proposed permit was submitted to the facility representative and the LDEQ Surveillance Division. Any remarks received during the technical review will be addressed in the "Worksheet for Technical Review of Working Draft of Proposed Permit". All remarks received by LDEQ are included in the record that is available for public review.

Written comments, written requests for a public hearing or written requests for notification of the final decision regarding this permit action may be submitted to Ms. Soumaya Ghosn at LDEQ, Public Participation Group, P.O. Box 4313, Baton Rouge, LA 70821-4313. **Written comments and/or written requests must be received by 12:30 p.m., Tuesday, February 26, 2008.** Written comments will be considered prior to a final permit decision.

If LDEQ finds a significant degree of public interest, a public hearing will be held. LDEQ will send notification of the final permit decision to the applicant and to each person who has submitted written comments or a written request for notification of the final decision.

The application and modification of the proposed minor source air operating permit are available for review at the LDEQ, Public Records Center, Room 127, 602 North 5th Street, Baton Rouge, LA. Viewing hours are from 8:00 a.m. to 4:30 p.m., Monday through Friday (except holidays). **The available information can also be accessed electronically on the Electronic Document Management System (EDMS) on the DEQ public website at www.deq.louisiana.gov.**

An additional copy may be reviewed at St. Mary Parish Library-Patterson Branch, 1108 First Street, Patterson, LA.

Inquiries or requests for additional information regarding this permit action should be directed to Anthony Randall, LDEQ, Air Permits Division, P.O. Box 4313, Baton Rouge, LA 70821-4313, phone (225) 219-3151.

Persons wishing to be included on the LDEQ permit public notice mailing list or for other public participation related questions should contact the Public Participation Group in writing at LDEQ, P.O. Box 4313, Baton Rouge, LA 70821-4313, by email at deqmaillistrequest@la.gov or contact the LDEQ Customer Service Center at (225) 219-LDEQ (219-5337).

Permit public notices including electronic access to the proposed permit can be viewed at the LDEQ permits public notice webpage at www.deq.louisiana.gov/apps/pubNotice/default.asp and general information related to the public participation in permitting activities can be viewed at www.deq.louisiana.gov/portal/tabid/2198/Default.aspx.

Alternatively, individuals may elect to receive the permit public notices via email by subscribing to the LDEQ permits public notice List Server at www.doa.louisiana.gov/oes/listservpage/ldeq_pn_listserv.htm

All correspondence should specify AI Number 32906, Permit Number 2660-00151-04, and Activity Number PER20070001.

Publication date: January 22, 2008



DEPARTMENT OF ENVIRONMENTAL QUALITY

KATHLEEN BABINEAUX BLANCO
GOVERNOR

MIKE D. McDANIEL, Ph.D.
SECRETARY

Certified Mail No.:

Activity No.: PER20070001
Agency Interest No.: 32906

Mr. Jim Craddock
Production Manager
400 N Sam Houston Pkwy E Ste 1200
Houston, TX 77060

RE: Minor Source Permit, Garden City LACT Facility, Burlington Resources Oil & Gas Co LP
Centerville, St. Mary Parish, Louisiana

Dear Mr. Craddock:

This is to inform you that the permit request for the above referenced facility has been approved under LAC 33:III.501. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets, and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Also enclosed is a document entitled "General Information." Please be advised that this document contains a summary of facility-level information contained in LDEQ's TEMPO database and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-3247 or email your changes to facupdate@la.gov.

The permit number cited below and agency interest number cited above should be referenced in future correspondence regarding this facility.

Done this _____ day of _____, 2008.

Permit No.: 2660-00151-04

Sincerely,

Chuck Carr Brown, Ph.D.
Assistant Secretary
CCB:ALR

ENVIRONMENTAL SERVICES

: PO BOX 4313, BATON ROUGE, LA 70821-4313
P:225-219-3181 F:225-219-3309
WWW.DEQ.LOUISIANA.GOV

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Garden City LACT Facility
Agency Interest No.: 32906
Burlington Resources Oil & Gas Co LP
Centerville, St. Mary Parish, Louisiana

I. BACKGROUND

Burlington Resources Oil & Gas Co LP, Garden City LACT Facility is an existing Oil and Gas facility. The Garden City LACT Facility currently operates under Permit No. 2660-00151-03, issued April 17, 2007.

II. ORIGIN

A permit application and Emission Inventory Questionnaire (EIQ) dated November 7, 2007 were received requesting a permit. Additional information dated December 14, 2007 was also received.

III. DESCRIPTION

This permit identifies operations from a typical oil and gas production facility used to treat and handle production from various nearby well completions. Production from the wells is routed to the free water knockout vessel. Gas from this vessel is captured by the gas compressor system prior to being routed off site to the Garden City - Central Dehydration Station (permitted separately). Water from the free water knockout vessel is routed to a gun barrel tank for gravity separation and then routed to on-site tanks for storage before being pumped (via natural-gas fired SWD pumps) to an injection well for disposal. Oil from the free water knockout vessel is routed to one of the two heater treaters for further separation. Oil and any water from the heater treaters are routed to on-site tanks for storage until pumped off-site (via electric powered charge pump). Three (3) catalytic heaters and several gas operated pumps and insignificant storage tanks are also located at this facility.

This permitting action includes the following modifications:

- 1.) The addition of EPN: 9-07-HT-BS (heater treater) EPNs: 10-07-CH-BS through 12-07-CH-BS (catalytic heaters), EPNs: 13a-07-WST-CV & 13b-WST-CV (water storage tanks), EPN: 13c-07WST-CV (water suction tank), EPN: 14-07-VS (vent scrubber), EPNs: 15-07-GOP through 20-07-GOP (gas operated pumps), EPN: 21-07-BV (blowcase vessel), EPN: 22-07-PC (pneumatic controllers), EPN: 23-07-HT-WG (heater treater-waste gas) and EPNs: 24-07-CST through 29-07-LOT (insignificant storage tanks) to the emission point source list.
- 2.) The addition of EPN: CAP1 which represents the combined emission totals from EPNs: 02-15 & 02-16 (SWD pump engines). The operation of these sources is alternated and the combined runtime will not exceed 9,500 hrs/yr.
- 3.) The revision of emission limits for the facility's remaining emission point sources based on updated throughput rates, emission factors and current facility conditions.

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**Garden City LACT Facility
Agency Interest No.: 32906
Burlington Resources Oil & Gas Co LP
Centerville, St. Mary Parish, Louisiana**

In accordance with an LDEQ policy statement published 6/15/06 on the referenced subject, be aware that the following sites are contiguous to the facility and under Burlington Resources Oil & Gas Company LP's control.

- Garden City Field – Maryland No. 9 Facility AI 32929
- Maryland No.11 Facility; Garden City Field AI 154220

Estimated emissions from this facility in tons per year are as follows:

Pollutant	Emissions
PM ₁₀	0.68
SO ₂	0.05
NO _x	87.47
CO	92.71
VOC ¹	72.43

¹VOC speciation in tons per year:

LAC 33:III. Chapter 51 Toxic Air Pollutants TAP's	Emissions in Tons per year
1,3-Butadiene	0.01
2,2,4-Trimethylpentane	0.43
Acetaldehyde	0.38
Acrolein	0.23
Benzene	0.75
Biphenyl	0.01
Ethyl Benzene	0.01
Formaldehyde	2.84
Methanol	0.16
n-Hexane	4.04
Toluene	0.70
Xylene	0.12
Total TAP's	9.68
Other VOC's	62.75

**AIR PERMIT BRIEFING SHEET
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**Garden City LACT Facility
Agency Interest No.: 32906
Burlington Resources Oil & Gas Co LP
Centerville, St. Mary Parish, Louisiana**

IV. TYPE OF REVIEW

This permit was reviewed for compliance with Louisiana Air Quality Regulations and New Source Performance Standards (NSPS). Prevention of Significant Deterioration (PSD) and National Emission Standards for Hazardous Air Pollutants (NESHAP) do not apply.

This facility is a minor source of LAC 33:III.Chapter 51 Toxic Air Pollutants (TAPs).

V. PUBLIC NOTICE

Public notice is required to permit due to the addition of EPN: CAP1.

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, on <date>, 200X; and in the <local paper>, <local town>, on <date>, 200X. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on <date>. The draft permit was also submitted to US EPA Region VI on <date>. All comments will be considered prior to the final permit decision.

VI. EFFECTS ON AMBIENT AIR

Dispersion Model(s) Used: <None>

Pollutant	Time Period	Calculated Maximum Ground Level Concentration	Louisiana Ambient Air Quality Standard (NAAQS)

**AIR PERMIT BRIEFING SHEET
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**Garden City LACT Facility
Agency Interest No.: 32906
Burlington Resources Oil & Gas Co LP
Centerville, St. Mary Parish, Louisiana**

VII. GENERAL CONDITION XVII ACTIVITIES

Work Activity	Emission Rates - tons				VOC
	PM ₁₀	SO ₂	NO _x	CO	
Sampling Procedures					0.25
Compressor Blowdown					0.72
Pump Preparation					0.13
Line Preparation					0.25
Vessel Preparation					0.20
Filter Replacement					0.05
Instrument Work					0.10
Tank Cleaning					0.38

VIII. INSIGNIFICANT ACTIVITIES

ID No.:	Description	Citation
95-01	Chem-Electric Heater Treater Burner Stack	LAC 33:III.501.B.5.A.1 & 6
9-07-HT-BS	Chem-Electric Heater Treater Burner Stack	LAC 33:III.501.B.5.A.1 & 6
10-07-CH-BS	Catalytic Heater-Burner Stack	LAC 33:III.501.B.5.A.1 & 6
11-07-CH-BS	Catalytic Heater-Burner Stack	LAC 33:III.501.B.5.A.1 & 6
12-07-CH-BS	Catalytic Heater-Burner Stack	LAC 33:III.501.B.5.A.1 & 6
24-07-CST	Chemical Storage Tank	LAC 33:III.501.B.5.A.3
25-07-ST	Soap Tank	LAC 33:III.501.B.5.A.2
26-07-LOT	Lube Oil Tank	LAC 33:III.501.B.5.A.2
27-07-ST	Sump Tank	LAC 33:III.501.B.5.A.3
28-07-LOT	Lube Oil Tank	LAC 33:III.501.B.5.A.2
29-07-LOT	Lube Oil Tank	LAC 33:III.501.B.5.A.2

LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS

- I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.
- II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.
- III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire dated November 7, 2007, along with supplemental information dated December 14, 2007.
- IV. This permit shall become invalid, for the sources not constructed, if:
- A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;
 - B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.
- The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.
- This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.
- V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.
- VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.

LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS

- VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.
- VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Enforcement Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.
- X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.
- XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Enforcement Division with a written report as specified below.
- A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
 - B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
 - C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:
 - 1. Report by June 30 to cover January through March
 - 2. Report by September 30 to cover April through June
 - 3. Report by December 31 to cover July through September
 - 4. Report by March 31 to cover October through December

LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS

- D. Each report submitted in accordance with this condition shall contain the following information:
1. Description of noncomplying emission(s);
 2. Cause of noncompliance;
 3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
 4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
 5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.
- E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.
- XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:
- A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;
 - B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;
 - C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and
 - D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.
- XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.
- XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.

LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS

- XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.
- XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services, Air Permits Division, within ninety (90) days after the event, to amend this permit.
- XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:
1. Generally be less than 5 TPY
 2. Be less than the minimum emission rate (MER)
 3. Be scheduled daily, weekly, monthly, etc., or
 4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]

These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:I.3901.

- XVIII. Provisions of this permit may be appealed in writing pursuant to La. R.S. 30:2024(A) within 30 days from receipt of the permit. Only those provisions specifically appealed will be suspended by a request for hearing, unless the secretary or the assistant secretary elects to suspend other provisions as well. Construction cannot proceed except as specifically approved by the secretary or assistant secretary. A request for hearing must be sent to the following:

Attention: Office of the Secretary, Legal Services Division
La. Dept. of Environmental Quality
Post Office Box 4302
Baton Rouge, Louisiana 70821-4302

- XIX. Certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 32906 - Garden City LACT Facility
 Activity Number: PER20070001
 Permit Number: 2660-00151-04
 Air - Minor Source/Small Source Mod

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year												
Entire Facility															
EQT 0001 97-06													5.02	5.02	21.99
EQT 0002 97-07													1.51	1.51	6.63
EQT 0003 97-08													0.97	0.97	4.23
EQT 0004 98-14	4.78	7.18	20.96	4.78	7.18	20.96	0.10	0.10	0.42	0.01	0.01	0.03	1.51	2.27	6.63
EQT 0005 02-15		22.05			22.05			0.06			<0.01			0.36	
EQT 0006 02-15		22.05			22.05			0.06			<0.01			0.36	
EQT 0007 13a-07-WST-CV													0.96	0.96	4.18
EQT 0008 13b-07-WST-CV													0.91	0.91	3.99
EQT 0009 13c-07-WST-CV													0.91	0.91	3.99
EQT 0010 14-07-VS													0.66	0.66	2.89
EQT 0011 15-07-GOP													13.62	13.62	0.35
EQT 0012 16-07-GOP													13.62	13.62	0.35
EQT 0013 17-07-GOP													27.24	27.24	0.71
EQT 0014 18-07-GOP													27.24	27.24	0.71
EQT 0015 19-07-GOP													6.81	6.81	0.18
EQT 0016 20-07-GOP													13.62	13.62	0.08
EQT 0017 21-07-BV													0.01	0.02	0.05
EQT 0018 22-07-PC													2.90	2.90	12.70
FUG 0001 95-10													0.32	0.32	1.39
GRP 0002 CAP1	16.38		71.75	15.18		66.51	0.06		0.26	<0.01		0.02	0.32		1.38

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 32906 - Garden City LACT Facility

Activity Number: PER20070001

Permit Number: 2660-00151-04

Air - Minor Source/Small Source Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0001 97-06	2,2,4-Trimethylpentane	0.02	0.02	0.08
	Benzene	0.06	0.06	0.25
	Toluene	0.03	0.03	0.13
	Xylene (mixed isomers)	< 0.01	< 0.01	0.01
	n-Hexane	0.28	0.28	1.21
EQT 0002 97-07	2,2,4-Trimethylpentane	0.01	0.01	0.03
	Benzene	0.01	0.01	0.03
	Toluene	0.01	0.01	0.03
	Xylene (mixed isomers)	< 0.01	< 0.01	0.01
	n-Hexane	0.09	0.09	0.38
EQT 0003 97-08	2,2,4-Trimethylpentane	0.01	0.01	0.03
	Benzene	0.01	0.01	0.03
	Toluene	0.01	0.01	0.02
	Xylene (mixed isomers)	< 0.01	< 0.01	0.01
	n-Hexane	0.07	0.07	0.30
EQT 0004 98-14	1,3-Butadiene	< 0.01	< 0.01	0.01
	2,2,4-Trimethylpentane	< 0.01	< 0.01	0.01
	Acetaldehyde	0.09	0.09	0.38
	Acrolein	0.05	0.05	0.23
	Benzene	0.01	0.01	0.05
	Biphenyl	< 0.01	< 0.01	0.01
	Formaldehyde	0.60	0.60	2.62
	Methanol	0.03	0.03	0.12
	Toluene	0.01	0.01	0.02
	Xylene (mixed isomers)	< 0.01	< 0.01	0.01
	n-Hexane	0.01	0.01	0.05
EQT 0005 02-15	Benzene		0.03	
	Formaldehyde		0.06	
	Methanol		0.01	
	Toluene		0.01	
	Xylene (mixed isomers)		< 0.01	
EQT 0006 02-16	Benzene		0.03	
	Formaldehyde		0.06	
	Methanol		0.01	

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 32906 - Garden City LACT Facility

Activity Number: PER20070001

Permit Number: 2660-00151-04

Air - Minor Source/Small Source Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0006 02-16	Toluene		0.01	
	Xylene (mixed isomers)		< 0.01	
EQT 0007 13a-07-WST-CV	2,2,4-Trimethylpentane	0.01	0.01	0.03
	Benzene	0.01	0.01	0.03
	Toluene	0.01	0.01	0.02
	Xylene (mixed isomers)	< 0.01	< 0.01	0.01
	n-Hexane	0.07	0.07	0.29
EQT 0008 13b-07-WST-CV	2,2,4-Trimethylpentane	0.01	0.01	0.03
	Benzene	0.01	0.01	0.03
	Toluene	0.01	0.01	0.02
	Xylene (mixed isomers)	< 0.01	< 0.01	0.01
	n-Hexane	0.06	0.06	0.28
EQT 0009 13c-07-WST-CV	2,2,4-Trimethylpentane	0.01	0.01	0.03
	Benzene	0.01	0.01	0.03
	Toluene	0.01	0.01	0.02
	Xylene (mixed isomers)	< 0.01	< 0.01	0.01
	n-Hexane	0.06	0.06	0.28
EQT 0010 14-07-VS	Benzene	< 0.01	< 0.01	0.01
	Toluene	0.05	0.05	0.23
	n-Hexane	0.10	0.10	0.42
EQT 0011 15-07-GOP	2,2,4-Trimethylpentane	0.17	0.17	< 0.01
	Benzene	0.15	0.15	< 0.01
	Ethyl benzene	0.01	0.01	< 0.01
	Toluene	0.15	0.15	< 0.01
	Xylene (mixed isomers)	0.04	0.04	< 0.01
	n-Hexane	0.72	0.72	0.02
EQT 0012 16-07-GOP	2,2,4-Trimethylpentane	0.17	0.17	< 0.01
	Benzene	0.15	0.15	< 0.01
	Ethyl benzene	0.01	0.01	< 0.01
	Toluene	0.15	0.15	< 0.01
	Xylene (mixed isomers)	0.04	0.04	< 0.01
	n-Hexane	0.72	0.72	0.02
EQT 0013 17-07-GOP	2,2,4-Trimethylpentane	0.34	0.34	0.01
	Benzene	0.29	0.29	0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 32906 - Garden City LACT Facility

Activity Number: PER20070001

Permit Number: 2660-00151-04

Air - Minor Source/Small Source Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0013 17-07-GOP	Ethyl benzene	0.02	0.02	< 0.01
	Toluene	0.30	0.30	0.01
	Xylene (mixed isomers)	0.09	0.09	< 0.01
	n-Hexane	1.43	1.43	0.04
EQT 0014 18-07-GOP	2,2,4-Trimethylpentane	0.34	0.34	0.01
	Benzene	0.29	0.29	0.01
	Ethyl benzene	0.02	0.02	< 0.01
	Toluene	0.30	0.30	0.01
	Xylene (mixed isomers)	0.09	0.09	< 0.01
	n-Hexane	1.43	1.43	0.04
EQT 0015 19-07-GOP	2,2,4-Trimethylpentane	0.09	0.09	< 0.01
	Benzene	0.07	0.07	< 0.01
	Toluene	0.07	0.07	< 0.01
	Xylene (mixed isomers)	0.02	0.02	< 0.01
	n-Hexane	0.36	0.36	0.01
EQT 0016 20-07-GOP	2,2,4-Trimethylpentane	0.17	0.17	< 0.01
	Benzene	0.15	0.15	< 0.01
	Ethyl benzene	0.01	0.01	< 0.01
	Toluene	0.15	0.15	< 0.01
	Xylene (mixed isomers)	0.04	0.04	< 0.01
	n-Hexane	0.72	0.72	< 0.01
EQT 0018 22-07-PC	2,2,4-Trimethylpentane	0.04	0.04	0.16
	Benzene	0.03	0.03	0.14
	Ethyl benzene	< 0.01	< 0.01	0.01
	Toluene	0.03	0.03	0.14
	Xylene (mixed isomers)	0.01	0.01	0.04
	n-Hexane	0.15	0.15	0.67
FUG 0001 95-10	2,2,4-Trimethylpentane	< 0.01	< 0.01	0.01
	Benzene	< 0.01	< 0.01	0.01
	Toluene	< 0.01	< 0.01	0.01
	n-Hexane	0.01	0.01	0.03
GRP 0002 CAP1	Benzene	0.03		0.12
	Formaldehyde	0.05		0.22
	Methanol	0.01		0.04

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 32906 - Garden City LACT Facility

Activity Number: PER20070001

Permit Number: 2660-00151-04

Air - Minor Source/Small Source Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
GRP 0002 CAP1	Toluene	0.01		0.04
	Xylene (mixed isomers)	< 0.01		0.01
UNF 0001 Entire Facility	1,3-Butadiene			0.01
	2,2,4-Trimethylpentane			0.43
	Acetaldehyde			0.38
	Acrolein			0.23
	Benzene			0.75
	Biphenyl			0.01
	Ethyl benzene			0.01
	Formaldehyde			2.84
	Methanol			0.16
	Toluene			0.70
	Xylene (mixed isomers)			0.12
n-Hexane			4.04	

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

SPECIFIC REQUIREMENTS

AI ID: 32906 - Garden City LACT Facility
Activity Number: PER20070001
Permit Number: 2660-00151-04
Air - Minor Source/Small Source Mod

EQI0004 Internal Combustion Engine

- 1 [LAC 33:III.1101.B] Opacity \leq 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
Which Months: All Year Statistical Basis: None specified
- 2 [LAC 33:III.2111] Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment.
Conduct a performance/emissions test: Due within 180 days after initial startup (or restart-up after modification), or within 60 days after achieving normal production rate or end of the shutdown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Repeat the test after each major engine overhaul. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources and Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- 4 [LAC 33:III.501.C.6] Equipment/operational data monitored by technically sound method daily at manned stations, otherwise weekly. Maintain monitored parameters (intake manifold temperature and pressure, fuel header pressure, engine speed, and spark ignition timing) in the same range as during the initial stack test.
Which Months: All Year Statistical Basis: None specified
Equipment/operational data recordkeeping by electronic or hard copy semiannually. Recorded parameters are NOx, CO and O2 concentrations in the stack gas obtained during semiannual testing.
- 5 [LAC 33:III.501.C.6] Stack gas concentration: Carbon monoxide monitored by portable analyzer semiannually (six months after the stack test or previous semiannual test, plus or minus 30 days). Maintain concentrations of CO in the same range as during the initial stack test. Calibrate portable analyzers before each test using a known reference gas sample.
Which Months: All Year Statistical Basis: None specified
- 6 [LAC 33:III.501.C.6] Stack gas concentration: Nitrogen oxides monitored by portable analyzer semiannually (six months after the stack test or previous semiannual test, plus or minus 30 days). Maintain concentrations of NOx in the same range as during the initial stack test. Calibrate portable analyzers before each test using a known reference gas sample.
Which Months: All Year Statistical Basis: None specified
- 7 [LAC 33:III.501.C.6] Stack gas concentration: Oxygen monitored by portable analyzer semiannually (six months after the stack test or previous semiannual test, plus or minus 30 days). Maintain concentrations of O2 in the same range as during the initial stack test. Calibrate portable analyzers before each test using a known reference gas sample.
Which Months: All Year Statistical Basis: None specified
- 8 [LAC 33:III.501.C.6] Submit notification: Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services, to provide the opportunity to conduct a pretest meeting and observe the emission testing.
Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services.
- 9 [LAC 33:III.501.C.6]
- 10 [LAC 33:III.501.C.6]

SPECIFIC REQUIREMENTS

AI ID: 32906 - Garden City LACT Facility

Activity Number: PER20070001

Permit Number: 2660-00151-04

Air - Minor Source/Small Source Mod

GRP0002 Internal Combustion Engine Cap

Group Members: EQT0005 EQT0006

- 11 [LAC 33:III.1101.B] Opacity \leq 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
Which Months: All Year Statistical Basis: None specified
Total suspended particulate \leq 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel).
Which Months: All Year Statistical Basis: None specified
Conduct a performance/emissions test: Due within 180 days after initial startup (or restart-up after modification), or within 60 days after achieving normal production rate or end of the shakedown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Repeat the test after each major engine overhaul. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources and Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
Equipment/operational data monitored by technically sound method daily at manned stations, otherwise weekly. Maintain monitored parameters (intake manifold temperature and pressure, fuel header pressure, engine speed, and spark ignition timing) in the same range as during the initial stack test.
- 12 [LAC 33:III.1313.C] Which Months: All Year Statistical Basis: None specified
Equipment/operational data recordedkeeping by electronic or hard copy semiannually. Recorded parameters are NOx, CO and O2 concentrations in the stack gas obtained during semiannual testing.
Stack gas concentration: Carbon monoxide monitored by portable analyzer semiannually (six months after the stack test or previous semiannual test, plus or minus 30 days). Maintain concentrations of CO in the same range as during the initial stack test. Calibrate portable analyzers before each test using a known reference gas sample.
Which Months: All Year Statistical Basis: None specified
Stack gas concentration: Nitrogen oxides monitored by portable analyzer semiannually (six months after the stack test or previous semiannual test, plus or minus 30 days). Maintain concentrations of NOx in the same range as during the initial stack test. Calibrate portable analyzers before each test using a known reference gas sample.
Which Months: All Year Statistical Basis: None specified
Stack gas concentration: Oxygen monitored by portable analyzer semiannually (six months after the stack test or previous semiannual test, plus or minus 30 days). Maintain concentrations of O2 in the same range as during the initial stack test. Calibrate portable analyzers before each test using a known reference gas sample.
Which Months: All Year Statistical Basis: None specified
Submit notification: Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services, to provide the opportunity to conduct a pretest meeting and observe the emission testing.
Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services.
- 13 [LAC 33:III.501.C.6] Which Months: All Year Statistical Basis: None specified
Submit notification: Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services, to provide the opportunity to conduct a pretest meeting and observe the emission testing.
Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services.
- 14 [LAC 33:III.501.C.6] Which Months: All Year Statistical Basis: None specified
Submit notification: Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services, to provide the opportunity to conduct a pretest meeting and observe the emission testing.
Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services.
- 15 [LAC 33:III.501.C.6] Which Months: All Year Statistical Basis: None specified
Submit notification: Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services, to provide the opportunity to conduct a pretest meeting and observe the emission testing.
Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services.
- 16 [LAC 33:III.501.C.6] Which Months: All Year Statistical Basis: None specified
Submit notification: Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services, to provide the opportunity to conduct a pretest meeting and observe the emission testing.
Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services.
- 17 [LAC 33:III.501.C.6] Which Months: All Year Statistical Basis: None specified
Submit notification: Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services, to provide the opportunity to conduct a pretest meeting and observe the emission testing.
Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services.
- 18 [LAC 33:III.501.C.6] Which Months: All Year Statistical Basis: None specified
Submit notification: Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services, to provide the opportunity to conduct a pretest meeting and observe the emission testing.
Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services.
- 19 [LAC 33:III.501.C.6] Which Months: All Year Statistical Basis: None specified
Submit notification: Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services, to provide the opportunity to conduct a pretest meeting and observe the emission testing.
Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services.
- 20 [LAC 33:III.501.C.6] Which Months: All Year Statistical Basis: None specified
Submit notification: Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services, to provide the opportunity to conduct a pretest meeting and observe the emission testing.
Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services.

SPECIFIC REQUIREMENTS

AI ID: 32906 - Garden City LACT Facility
Activity Number: PER20070001
Permit Number: 2660-00151-04
Air - Minor Source/Small Source Mod

GRP0002 Internal Combustion Engine Cap

21 [LAC 33:III.501.C.6] Total Combined Operating time \leq 9,500 hr/yr for all combustion engines included in this Cap.
Which Months: Phases: Statistical Basis: Annual maximum

UNF0001 Entire Facility

- 22 [LAC 33:III.1103] Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited.
- 23 [LAC 33:III.1303.B] Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited.
- 24 [LAC 33:III.2113.A] Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5.
- 25 [LAC 33:III.219] Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance.
- 26 [LAC 33:III.5611.A] Submit standby plan for the reduction or elimination of emissions during an Air Pollution Alert, Air Pollution Warning, or Air Pollution Emergency: Due within 30 days after requested by the administrative authority.
- 27 [LAC 33:III.5611.B] During an Air Pollution Alert, Air Pollution Warning or Air Pollution Emergency, make the standby plan available on the premises to any person authorized by the department to enforce these regulations.
- 28 [LAC 33:III.919.D] Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment.
- 29 [LAC 33:III.927] Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D.
Report the unauthorized discharge of any air pollutant into the atmosphere in accordance with LAC 33:Chapter 39, Notification Regulations and Procedures for Unauthorized Discharges. Submit written reports to the department pursuant to LAC 33:1.3925. Submit timely and appropriate follow-up reports detailing methods and procedures to be used to prevent similar atmospheric releases.

General Information

AI ID: 32906 Garden City LACT Facility
Activity Number: PER20070001
Permit Number: 2660-00151-04
Air - Minor Source/Small Source Mod

Also Known As:	ID	Name	User Group	Start Date
	2660-00151	Garden City LACT Facility	CDS Number	08-05-2002
	LAG33A342	LPDES #	LPDES Permit #	02-20-2006
		Burlington Resources Oil & Gas Co LP	Multimedia	06-30-2002

Physical Location: Hwy 317, 3 Mi SW of Centerville, LA 70000

Mailing Address: PO Box 2197
 Attn: Manager L48 Gulf Coast HSE
 Houston, TX 772522197

Location of Front Gate: 29° 43' 10" latitude, 91° 29' 12" longitude, Coordinate Method: Interpolation - Map, Coordinate Datum: NAD83

Related People:	Name	Mailing Address	Phone (Type)	Relationship
	Jim Craddock	400 N Sam Houston Pkwy E Ste 1200 Houston, TX 77060	2818783980 (WP)	Responsible Official for

Related Organizations:	Name	Address	Phone (Type)	Relationship
	Burlington Resources Oil & Gas Co LP	PO Box 2197 Houston, TX 772522197		Air Billing Party for
	Burlington Resources Oil & Gas Co LP	PO Box 2197 Houston, TX 772522197		Owns
	Burlington Resources Oil & Gas Co LP	PO Box 2197 Houston, TX 772522197		Operates
	Burlington Resources Oil & Gas Co LP	PO Box 2197 Houston, TX 772522197		Water Billing Party for

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-3247 or email your changes to facupdate@la.gov.

INVENTORIES

AI ID: 32906 - Garden City LACT Facility

Activity Number: PER20070001

Permit Number: 2660-00151-04

Air - Minor Source/Small Source Mod

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
Entire Facility						
EQT0001	97-06 - 1500 BBL Oil Storage Tank	1500 bbl	80300 bbl/yr	80300 bbl/yr	80300 bbl/yr	8760 hr/yr (All Year)
EQT0002	97-07 - 1500 BBL Gun Barrel Tank	1500 bbl	2.92 MM bbl/yr	2.92 MM bbl/yr	2.92 MM bbl/yr	8760 hr/yr (All Year)
EQT0003	97-08 - 1500 BBL Oil Storage Tank	1500 bbl	2920 bbl/yr	2920 bbl/yr	2920 bbl/yr	8760 hr/yr (All Year)
EQT0004	98-14 - Internal Combustion Engine		1085 horsepower	1085 horsepower	1085 horsepower	8760 hr/yr (All Year)
EQT0005	02-15 - Internal Combustion Engine		500 horsepower	500 horsepower	500 horsepower	(None Specified)
EQT0006	02-16 - Internal Combustion Engine		500 horsepower	500 horsepower	500 horsepower	(None Specified)
EQT0007	13a-07-WST-CV - 1500 bbl Water Storage Tank	1500 bbl	1.46 MM bbl/yr	1.46 MM bbl/yr	1.46 MM bbl/yr	8760 hr/yr (All Year)
EQT0008	13b-07-WST-CV - 1500 bbl Water Storage Tank	1500 bbl	1.46 MM bbl/yr	1.46 MM bbl/yr	1.46 MM bbl/yr	8760 hr/yr (All Year)
EQT0009	13c-07-WST-CV - 1500 bbl Water Suction Tank	1500 bbl	2.92 MM bbl/yr	2.92 MM bbl/yr	2.92 MM bbl/yr	8760 hr/yr (All Year)
EQT0010	14-07-VS - Vent Scrubber		.39 MM scf/yr	.39 MM scf/yr	.39 MM scf/yr	8760 hr/yr (All Year)
EQT0011	15-07-GOP - Gas Operated Pump		.24 MM scf/yr	.24 MM scf/yr	.24 MM scf/yr	52 hr/yr (All Year)
EQT0012	16-07-GOP - Gas Operated Pump		.24 MM scf/yr	.24 MM scf/yr	.24 MM scf/yr	52 hr/yr (All Year)
EQT0013	17-07-GOP - Gas Operated Pump		.47 MM scf/yr	.47 MM scf/yr	.47 MM scf/yr	52 hr/yr (All Year)
EQT0014	18-07-GOP - Gas Operated Pump		.47 MM scf/yr	.47 MM scf/yr	.47 MM scf/yr	52 hr/yr (All Year)
EQT0015	19-07-GOP - Gas Operated Pump		.12 MM scf/yr	.12 MM scf/yr	.12 MM scf/yr	52 hr/yr (All Year)
EQT0016	20-07-GOP - Gas Operated Pump		.06 MM scf/yr	.06 MM scf/yr	.06 MM scf/yr	12 hr/yr (All Year)
EQT0017	21-07-BV - Blowcase Vessel		29200 gallons/yr	29200 gallons/yr	29200 gallons/yr	8760 hr/yr (All Year)
EQT0018	22-07-PC - Pneumatic Controllers					8760 hr/yr (All Year)
EQT0019	23-07-HT-WG - Heater Treater - Waste Gas		.39 MM scf/yr	.39 MM scf/yr	.39 MM scf/yr	8760 hr/yr (All Year)
FUG0001	95-10 - Fugitive Emissions					8760 hr/yr (All Year)

Stack Information:

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
Entire Facility							
EQT0001	97-06 - 1500 BBL Oil Storage Tank	2	3.8	.2		7	70
EQT0002	97-07 - 1500 BBL Gun Barrel Tank	1.6	3	.2		7	70
EQT0003	97-08 - 1500 BBL Oil Storage Tank	1.5	2.8	.2		7	70
EQT0004	98-14 - Internal Combustion Engine	258	5956	.7		20	842
EQT0005	02-15 - Internal Combustion Engine	97	2251	.7		12	1100
EQT0006	02-16 - Internal Combustion Engine	97	2251	.7		12	1100
EQT0007	13a-07-WST-CV - 1500 bbl Water Storage Tank	1.5	2.8	.2		7	70
EQT0008	13b-07-WST-CV - 1500 bbl Water Storage Tank	1.5	2.8	.2		7	70
EQT0009	13c-07-WST-CV - 1500 bbl Water Suction Tank	1.5	2.8	.2		7	70
EQT0010	14-07-VS - Vent Scrubber	.1	.7	.5		18	70
EQT0011	15-07-GOP - Gas Operated Pump	448	76	.06		2	70
EQT0012	16-07-GOP - Gas Operated Pump	448	76	.06		2	70
EQT0013	17-07-GOP - Gas Operated Pump	890	151	.06		2	70

INVENTORIES

AI ID: 32906 - Garden City LACT Facility
 Activity Number: PER20070001
 Permit Number: 2660-00151-04
 Air - Minor Source/Small Source Mod

Stack Information:

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
Entire Facility							
EQT0014	18-07-GOP - Gas Operated Pump	890	151	.06		2	70
EQT0015	19-07-GOP - Gas Operated Pump	920	39	.03		2	70
EQT0016	20-07-GOP - Gas Operated Pump	448	76	.06		2	70
EQT0017	21-07-BV - Blowcase Vessel	4.8	.09	.02		2	70
EQT0018	22-07-PC - Pneumatic Controllers						70
EQT0019	23-07-HT-WG - Heater Treater - Waste Gas						70
GRP0002	CAP1 - Internal Combustion Engine Cap	97	2251	.7		12	1100

Relationships:

ID	Description	Relationship	ID	Description
EQT0019	Heater Treater-Waste Gas	Vents to	EQT0010	Vent Scrubber

Subject Item Groups:

ID	Group Type	Group Description
GRP0002	Equipment Group	CAP1 - Internal Combustion Engine Cap
UNF0001	Unit or Facility Wide	Entire Facility - Entire Facility

Group Membership:

ID	Description	Member of Groups
EQT0005	02-15 - Internal Combustion Engine	GRP0000000002
EQT0006	02-16 - Internal Combustion Engine	GRP0000000002

NOTE: The UNF group relationship is not printed in this table. Every subject item is a member of the UNF group

Annual Maintenance Fee:

Fee Number	Air Contaminant Source	Multipplier	Units Of Measure
0040	Crude Oil and Natural Gas Production (Less than 100 TYr Source)		

SIC Codes:

1311	Crude petroleum and natural gas	A132906
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